


BAS POINTS LIST - HEATING HOT WATER GENERATION/DISTRIBUTION SYSTEM														
BAS POINT DESCRIPTION	HARDWARE POINTS				SOFTWARE POINTS					NETWORK COMMUNICATION	UNITS	GRAPHIC	REMARKS	NET POINT QTY
	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM	BACNET				
HEATING HOT WATER GEN/PUMPING SKID WITHIN PEM - 1S-HTPS-1	COORDINATE ALL REQUIRED HARD-WIRED AND FIELD/SPACE DEVICE POINTS WITH PEM/AHU MFGR									2	-	-	INTEGRATE VFD's - NETWORK CONNECTION	2
HEAT PUMPS 1S-P-16A, 16B - VFD INTEGRATION				2						-	-	Y	-	2
START/STOP (RUN)		2								-	-	-	-	2
PEED CNTRL INPUT (SPEED SP)										-	-	Y	-	2
HEATING WATER SUPPLY FLOW INDICATION / BTU METER	1						1			-	GPM / BTUH	Y	FLOW AND ENERGY	1
CURRENT STATUS	2		2						2	-	-	-	-	4
PEED INDICATION	2									-	-	Y	-	2
2 FAULT			2						2	-	-	-	-	2
HEATING HOT WATER BYPASS CONTROL VALVE	1	1					1				%OPEN	-	% OPEN FEEDBACK	2
HEATING HOT WATER SUPPLY TEMPERATURE	1							1	1	-	Y	-	-	1
HEATING HOT WATER SUPPLY TEMP RESET		1					Y	1		-	Y	-	-	1
HEATING HOT WATER RETURN TEMPERATURE	2							2		-	Y	Y	UPSTREAM AND DOWNSTREAM OF BYPASS	2
HEATING HOT WATER SYSTEM DIFFERENTIAL PRESSURE-REMOTE COIL								1		-	Y	-	COORD LOCATION WITH TAB	1
HEATING HOT WATER PUMP DIFFERENTIAL PRESSURE-SYSTEM HEAD	1							1		-	Y	-	TOTAL SYSTEM HEAD	1
HEATING HOT WATER PUMP DIFFERENTIAL PRESSURE-SYSTEM HEAD	2	2						2			%OPEN	Y	% OPEN FEEDBACK	4

REMARKS:

PROVIDE ANY ADDITIONAL POINTS REQUIRED TO ACHIEVE THE SEQUENCES OF OPERATION AND TO SATISFY THE DESIGN INTENT INDICATED BY CONTROL DIAGRAMS, PLANS AND SPECIFICATIONS. COORDINATE ALL INTEGRATION WITH EQUIPMENT MANUFACTURERS.



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**Drawing Title**  
**MECHANICAL CONTROLS**  
**POINTS LISTS**

**Approved:** Medical Center Director

**Project Title**  
**RENOVATE SURGICAL**  
**SERVICE & UPGRADE**  
**OPERATING ROOMS**

**Location** HUNTINGTON, WV

**Date**  
 10.31.2014

**Checked**  
 MPP

**Drawn**  
 JLR


**Project Number**  
**581-13-101**

**Building Number**  
 1S

**Drawing Number**  
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Office of  
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 and Facilities  
 Management


**Department**  
**Veterans Affairs**

# 100% CONSTRUCTION DOCUMENTS

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